

Launch Mission Execution Forecast

Falcon 9 Transporter-1 Mission:

Issued: 20 Jan 2021 / 0830L (1330Z)

Valid: 22 Jan 2021 / 0924-1022L (1424-1522Z)



Forecast Discussion: A strong high pressure area has settled over Central Florida resulting in cool mornings and warm afternoons with partly cloudy skies for the next few days. On Friday, the high pressure area will slide south of the Space Coast, while a frontal system approaches the Florida Panhandle. This will bring mid-level cloudiness across the area. The primary weather concern for Friday morning is the Thick Cloud Layer Rule.

On Saturday, the high pressure area will remain entrenched to our south, breaking up the east-west oriented frontal system as it tries to push near the Spaceport. This will add some very isolated showers across the area while enhancing the mid-level cloudiness. The primary launch weather concerns Saturday morning are the Cumulus Cloud Rule associated with the showers and the Thick Cloud Layer Rule.

aunch Day	Probability of Violating Weather Constraints								
	20% Primary Concerns: Thick Cloud Layer Rule								
	Weather Conditions							Additional Risk Criteria	
ם ב	Weather/Visi	bility:	None / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
Ĭ	Temp/Humid	ity:	66°F / 55%	Altocumulus	Scattered	10,000	13,000	Booster Recovery Weather:	Low
	Liftoff Winds	(200'):	250° 12-17 mph	Cirrostratus	Scattered	25,000	28,000	Solar Activity:	Low
	Probability of Violating Weather Constraints								
			Proba	ability of Vi	olating w	eatner	Constra	ints	
Jelay	30%	Prima	ary Concerns: Cum					ints	
2	30%	Prima	ary Concerns: Cum		ule, Thick C			Additional Risk Cr	iteria
ב	30% Weather/Visil		ary Concerns: Cum	ulus Cloud Ru	ule, Thick C	loud Lay			iteria
24-IIOul Delay		bility:	ary Concerns: Cum Weather	ulus Cloud Ru	ule, Thick C	loud Lay	er Rule	Additional Risk Cr	

Next Forecast Will Be Issued | 21 Jan 2021